AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

Claim 1 (Currently Amended): A method for packet communication comprising:

sending a packet, by a node configured to be moved among different networks, the packet including a private sender address;

changing the private sender address to a global address, even when said sending is performed in any of the different networks, by mapping the global address to the private sender address by translation

~~wherein a sender address of a packet including a private address as a sender address sent by a node which can be moved among different networks is changed to a same global address even when said node sends said packet in either of the networks~~.

Claim 2 (Currently Amended): A method for packet communication wherein a node ~~including~~ includes a private sender address ~~as a sender address is~~ being moved from a first network including ~~having~~ said node, and first address changing means for receiving ~~the~~ a packet from said node and then changing said private sender address of the packet to a global address for outputting ~~output~~ into a second network ~~which is~~ being different from said first network, the method comprising: ~~the steps of~~

receiving said packet from said node by the first address changing means, the node being currently ~~which is~~ moved into said second network;

changing said private sender address of said received packet by the first address changing means from said private sender address to ~~a same global address as said~~ the global address, the changing performed by mapping the global address to the private sender address by translation; and

sending said packet ~~whose sender address has been changed~~ by the first address changing means to ~~the~~ a third network different from said first and second networks ~~outside of said second network~~ after said changing said sender address.

Claim 3 (Currently Amended): A method for packet communication according to claim 2, further comprising: ~~the steps~~

~~of said node moved into said second network and said address changing means in said first network~~

registering the node in a home agent, the home agent configured to manage the first network;

registering the node in a foreign agent, the foreign agent configured to manage the second network; and

notifying the node by the first address changing means ~~to each other~~ of a correspondence between said private sender address and said global address periodically after said registering the ~~said~~ node ~~is registered a~~ in the home agent ~~for managing said first network~~ and in the ~~a~~ foreign agent ~~for managing said second network~~.

Claim 4 (Currently Amended): A method for packet communication according to claim 2, further comprising ~~the steps of~~:

detecting by a second address changing means of the second network that a registration request is sent from said node moved into said second network to a foreign agent configured to manage ~~for managing~~ said second network; and

~~after the detection,~~ requesting by the second address changing means of the second network that the first ~~said~~ address changing means in the ~~said~~ first network transmits to the

second address changing means of the second network a correspondence between the ~~said~~ global address mapped to the ~~said~~ private sender address, after said detecting.

Claim 5 (Currently Amended): A method for packet communication according to claim 2, further comprising ~~the steps of~~:

detecting by a second address changing means in the second network that a response indicating that said node is registered has been ~~is~~ sent from a home agent configured to manage ~~for managing~~ said first network to a foreign agent configured to manage ~~for managing~~ said second network; and

~~after the detection,~~ requesting by the second address changing means in the second network that the first ~~said~~ address changing means in the ~~said~~ first network sends to the second address changing means of the second network the ~~said~~ global address mapped to the ~~said~~ private sender address, after said detecting.

Claim 6 (Currently Amended): A method for packet communication according to claim 2, further comprising: ~~the step of~~

adding an address translation information request ~~code~~ for requesting the ~~said~~ global address mapped to the ~~said~~ private sender address to a ~~registration~~ translation request sent from a foreign agent configured to manage ~~for managing~~ said second network to a home agent configured to manage ~~for managing~~ said first network.

Claim 7 (Currently Amended): A method for packet communication, comprising: ~~the steps of;~~

outputting a packet in a first network, the packet including a private sender address, ~~as a sender address~~ to changing means configured to change ~~for changing a seder~~ the address of

~~said~~ the packet from the ~~said~~ private sender address to a global address by mapping the global address to the private sender address by translation; and

sending the ~~a~~ packet to a second network, wherein the global address of the packet ~~sending address is a global address which~~ is same as ~~said~~ the global address in the ~~a~~ second network ~~which is different from said first network~~.

Claim 8 (Currently Amended): A method for packet communication, comprising: ~~the steps of~~

receiving a packet including a private sender address ~~as a sender address~~ from a first node in a first network;

changing ~~a~~ the ~~sender~~ address of said received packet from said private sender address to a first global address by mapping the first global address to the private sender address by translation;

sending said packet whose sender address has been changed to a third network different from said first and a second networks ~~the outside to said first network~~;

receiving ~~receives~~ a packet including a second global address, ~~which is~~ different from said first global address ~~as a sender address~~, from a second node which has been moved into said first network from ~~said~~ the second network which is different from said first network; and

sending said packet to the third ~~out side of said first~~ network without changing an ~~a~~ ~~sender~~ address of said packet received from said second node from said second global address to said first global address.

Claim 9 (Currently Amended): A computer program stored on a computer readable medium, wherein a node including a private sender address ~~as a sender address~~ is previously

moved from a first network including ~~having~~ said node, and address changing means for receiving ~~the~~ a packet from said node and then changing said ~~sender~~ private sender address of the packet to a global address for outputting ~~output~~ into a second network ~~which is~~ different from said first network, the computer program comprising:

a first computer code that receives said packet from said node by the address changing means, the node being currently ~~which is~~ moved into said second network;

a second computer code that changes said ~~sender~~ address of said received packet by the address changing means from said private sender address to the ~~a same global address as said~~ global address by mapping the global address to the private sender address by translation; and

a third computer code that sends said packet ~~whose sender address has been changed~~ by the address changing means to a third network which is different than the first and ~~the outside of said~~ second ~~network~~ networks after said changing the sender address.

Claim 10 (New): The method for packet communication according to Claim 1, wherein the changing the sender address is performed while the node is moved among different networks.